

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our names.

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**FABRICATION OF ALIGNED CRYSTAL CELL/FILM BY SIMULTANEOUS
ALIGNMENT AND PHASE SEPARATION**

including any amendments referred to below, the specification of which

___ is attached hereto.

X was filed on 1 September 2000 as Application Serial No. PCT/US00/24025 and was amended on 24 October 2001.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

We hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

			<u>Priority Claimed</u>	
PCT/US00/24025	PCT	1 September 2000	X	
Number	Country	Date Filed	Yes	No

We hereby claim the benefit under Title 35, United States Code, §120 and §119(e) of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, we acknowledge the duty to disclose

English Language Declaration


material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>60/152,430</u>	<u>3 September 1999</u>	<u>Abandoned</u>
Application Ser. No.	Filing Date	Status

<u>PCT/US00/24025</u>	<u>1 September 2000</u>	<u>Pending</u>
Application Ser. No.	Filing Date	Status

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As named inventors, we hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

 Reese Taylor (Reg. No. 22,325); Phillip L. Kenner (Reg. No. 22,353); Edward G. Greive (Reg. No. 24,726); Donald J. Bobak (Reg. No. 27,182); Ray L. Weber (Reg. No. 26,519); Joseph G. Curatolo (Reg. No. 28,837); Rodney L. Skoglund (Reg. No. 36,040); Andrew B. Morton (Reg. No. 37,400); Arthur M. Reginelli (Reg. No. 40,139); Shannon V. McCue (Reg. No. 42,859); Salvatore A. Sidoti (Reg. No. 43,921); John J. Cunniff (Reg. No. 42,451); and Mark L. Weber (Reg. No. 46,069).

Send Correspondence to:

Ray L. Weber

Renner, Kenner, Greive, Bobak, Taylor & Weber

First National Tower, Fourth Floor

Akron, Ohio 44308-1456

Telephone: (330) 376-1242

Direct Telephone Calls to:

Ray L. Weber

Telephone: (330) 376-1242

English Language Declaration

Inventor: _____ Date _____

SATYENDRA KUMAR

Residence: 1981 Crossfield Circle, Kent, Ohio 44240

Post Office Address: 1981 Crossfield Circle, Kent, Ohio 44240

Citizenship: United States of America

Inventor: _____

LIANG-CHY CHIEN

Date Feb. 14, 2012

Residence: 4510 Forest Hill Road, Stow, Ohio 44224

Post Office Address: 4510 Forest Hill Road, Stow, Ohio 44224

Citizenship: United States of America

Inventor: _____ Date _____

JAE-HOON KIM

Residence: 102-201 Woosung Apt., Toekye-Dong, Chunchon Kanwon-Do,
Republic of Korea

Post Office Address: 102-201 Woosung Apt., Toekye-Dong, Chunchon Kanwon-Do,
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Citizenship: Republic of Korea

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English Language Declaration

Inventor: _____ Date _____
SATYENDRA KUMAR

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Post Office Address: 1981 Crossfield Circle, Kent, Ohio 44240


Citizenship: United States of America

Inventor: _____ Date _____
LIANG-CHY CHIEN

Residence: 4510 Forest Hill Road, Stow, Ohio 44224

Post Office Address: 4510 Forest Hill Road, Stow, Ohio 44224

Citizenship: United States of America

Inventor:  Date Feb. 25, 2001
JAE-HOON KIM

Residence: 102-201 Woosung Apt., Toekye-Dong, Chunchon Kanwon-Do,
Republic of Korea

Post Office Address: 102-201 Woosung Apt., Toekye-Dong, Chunchon Kanwon-Do,
Republic of Korea

Citizenship: Republic of Korea

Rec'd PCT/PTO

3 JUL 2002

#4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: KENT STATE UNIVERSITY

For : FABRICATION OF ALIGNED LIQUID CRYSTAL CELL/FILM BY SIMULTANEOUS
ALIGNMENT AND PHASE SEPARATION

International Application Number: PCT/US00/24025

International Filing Date: September 01, 2000

**STATEMENT OF FACTS IN SUPPORT OF FILING ON BEHALF OF
NONSIGNING INVENTOR (37 C.F.R. § 1.47)**

This statement is made as to the exact facts that are relied upon to establish the diligent effort made to secure the execution of the declaration by the non-signing inventor for the above-identified patent application.

This statement is being made by the available person having first-hand knowledge of the facts recited therein.

IDENTIFICATION OF PERSON MAKING THIS STATEMENT OF FACTS

William R. Fuller
Technology Transfer Manager
Kent State University
191 Gym Annex
P.O. Box 5190
Kent, Ohio 44242-0001

DETAILS OF REFUSAL OF NONSIGNING INVENTOR TO SIGN APPLICATION

PAPERS

Dr. Satyendra Kumar has repeatedly refused to sign the Declaration for the above-

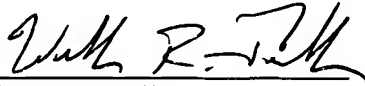
referenced patent application, both orally and in writing. Dr. Kumar refused to sign the documents associated with the application in email messages dated February 21, 2002 (Exhibit A) and March 19, 2002 (Exhibit B). Copies of these Exhibits are attached herewith. Dr. Kumar also orally refused to sign the combined Declaration and Power of Attorney document and assignment document on March 21, 2002.

**PROOF OF NEED TO PREVENT IRREPARABLE DAMAGE OR PRESERVE THE
RIGHTS OF THE PARTIES**

A filing date is necessary to make a claim for priority from International Application No. PCT/US00/24025 filed September 1, 2000 and claiming priority of United States Provisional Application No. 60/152,430 filed September 3, 1999.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are subject to the penalties set forth under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DATED this 21 day of June, 2002 at Kent, Ohio.



William R. Fuller
Technology Transfer Manager
Kent State University

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: KENT STATE UNIVERSITY

For : FABRICATION OF ALIGNED LIQUID CRYSTAL CELL/FILM BY SIMULTANEOUS
ALIGNMENT AND PHASE SEPARATION

International Application Number: PCT/US00/24025

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NONSIGNING INVENTOR (37 C.F.R. § 1.47)**

This statement is made as to the exact facts that are relied upon to establish the diligent effort made to secure the execution of the declaration by the non-signing inventor for the above-identified patent application.

This statement is being made by the available person having first-hand knowledge of the facts recited therein.

IDENTIFICATION OF PERSON MAKING THIS STATEMENT OF FACTS

Andrew B. Morton
Renner Kenner Grieve Bobak Taylor & Weber
First National Tower, Fourth Floor
106 South Main Street
Akron, Ohio 44308

**DETAILS OF REFUSAL OF NONSIGNING INVENTOR TO SIGN APPLICATION
PAPERS**

I was informed of the refusal of Satyendra Kumar to sign the declaration for the

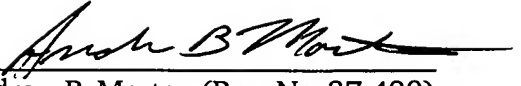
above referenced application by William Fuller of Kent State University by a letter dated March 21, 2002 (Exhibit C). On March 27, 2002, I sent a letter (Exhibit D) by U.S. Mail to Satyendra Kumar requesting his signature on an enclosed copy of the combined Declaration and Power of Attorney. No response was received. On May 14, 2002, another letter (Exhibit E) was sent to Satyendra Kumar requesting his signature on an enclosed copy of the combined declaration and Power of Attorney by Certified U.S. Mail. A return receipt indicated that delivery of the letter was made on May 15, 2002. A copy of the return receipt (Exhibit F) for the May 14, 2002 letter is enclosed herewith. Dr. Kumar orally refused to sign the combined Declaration and Power of Attorney during a telephone conversation on or about June 5, 2002.

**PROOF OF NEED TO PREVENT IRREPARABLE DAMAGE OR PRESERVE THE
RIGHTS OF THE PARTIES**

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are subject to the penalties set forth under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

DATED this 23rd day of June, 2002 at Akron, Ohio.


Andrew B. Morton (Reg. No. 37,400)